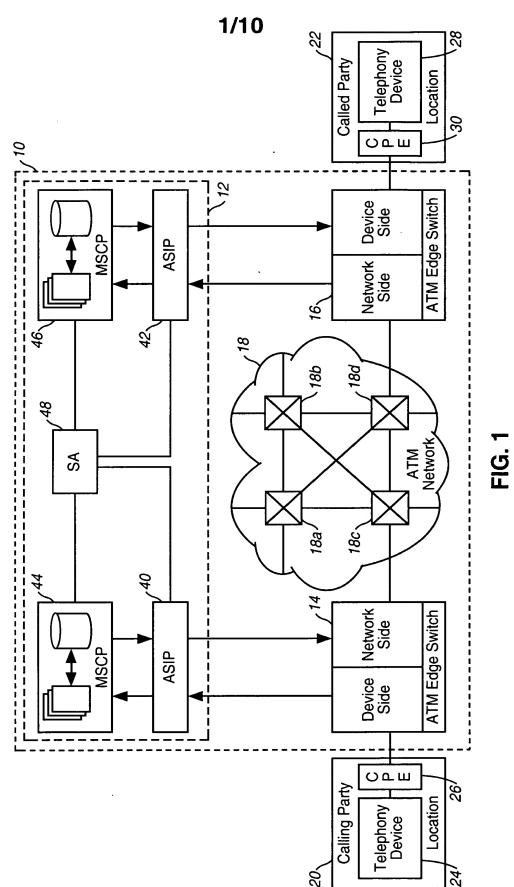
Inventor(s): Gallant et al.

Appln No.: 09/768,077 ntelligent Network and Method for Providing Voice Tweete Address Translation

y over ATM

Sheets of Drawings: of <u>10</u>





Docket No.: RIC00015

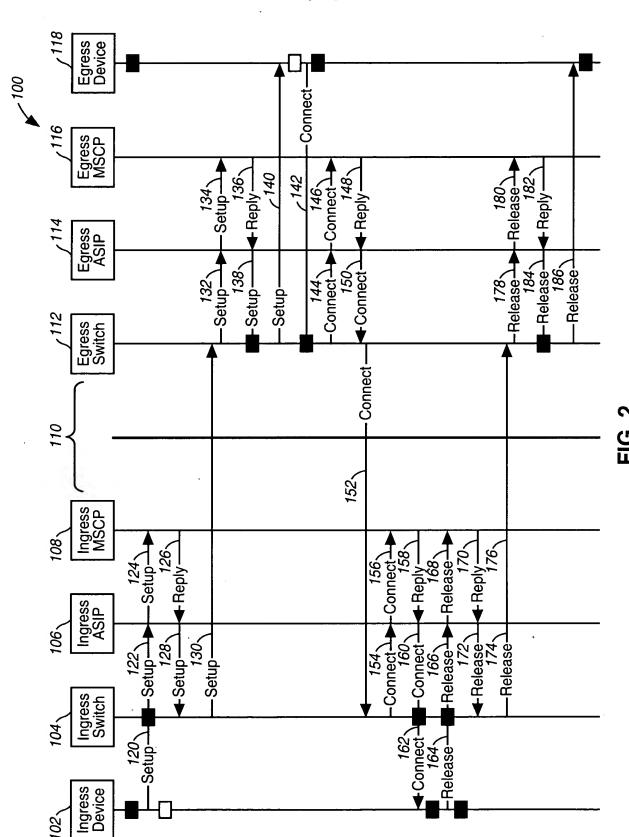
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and Avate Address Translation Inventor(s): Gallant et al.

Sheets of Drawings: 2 of 10

2/10



Docket No.: RIC00015 Appln No.: 09/768,077

Intelligent Network and Method for Providing Voice in your ATM Private Address Translation Inventor(s): Gallant et al.

Sheets of Drawings: 3 of 10

3/10

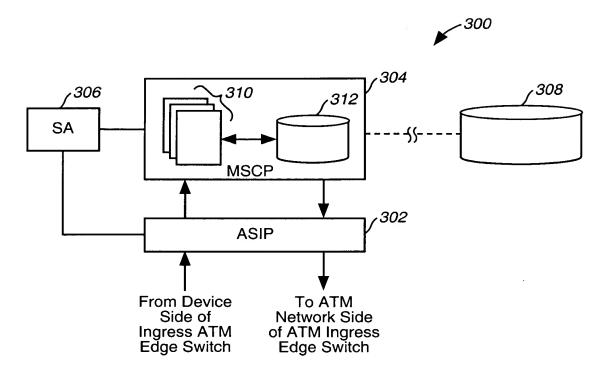


FIG. 3

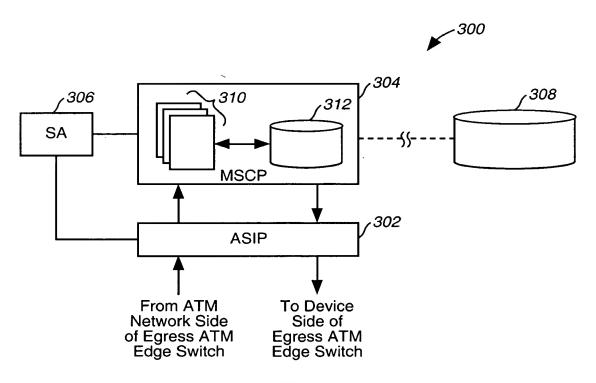


FIG. 4

Dealet No.: RIC00015 Appln No.: 09/768,077

The intelligent Network and Method for Providing Voice Telegraphy over ATM and Private Address Translation Inventor(s): Gallant et al.

Sheets of Drawings: 4 of 10

4/10

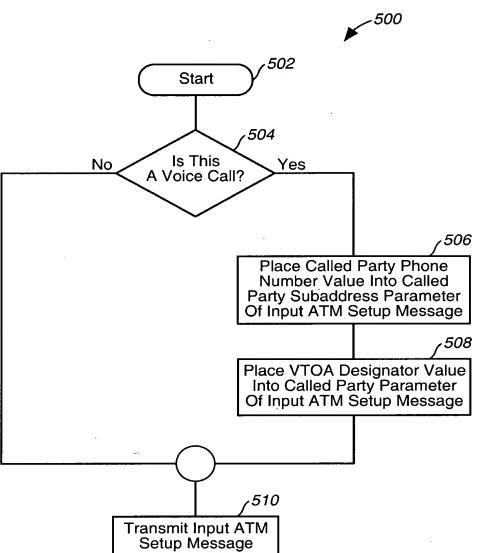
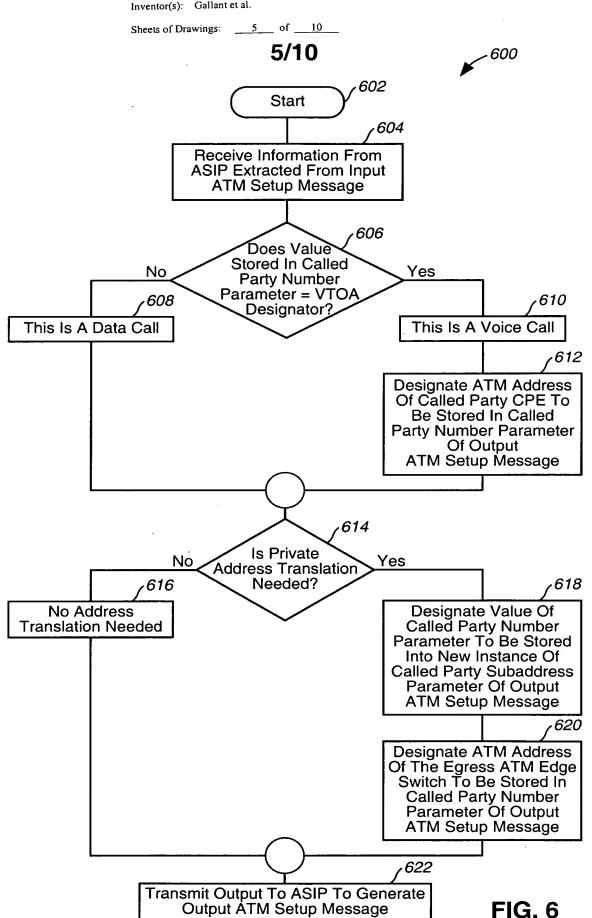


FIG. 5

Docket No.: RIC00015 Appln No.: 09/768,077

: Intelligent Network and Method for Providing Voice iony over ATM and Private Address Translation



Docket No.: RIC00015 Appln No.: 09/768-077 elligent Network and Method for Providing Voice Tel over ATM ate Address Translation Inventor(s): Gallant et al. Sheets of Drawings: __6__ of __10_ 6/10 700 702 Start 704 Receive Information From Egress ASIP Extracted From **Output ATM Setup Message** 706 Is Type Of Value(s) Stored No Yes In Called Party Subaddress 710 An ATM Address 708 Type? Private Address Translation Has Taken Place This Is A Call Without **Private Address** At The Ingress MSCP **Translation** 712 Designate Value In Called Party Subaddress That Is An ATM Address Type To Be Stored In Called Party **Number Of Destination** ATM Setup Message 714 Is Type Of Value Stored In Called No Yes Party Subaddress A Phone Number 716 718 Type? This Is A Voice Call This Is A Data Call 720 Transmit Output To ASIP To Generate Destination ATM Setup Message

FIG. 7

Docket No.: RIC00015 Appln No.: 09/768,077 Intelligent Network and Method for Providing Voice 1 rivate Address Translation Inventor(s): Gallant et al. Sheets of Drawings: 7 of 10 7/10 -800 802 Start 804 Receive Request At Calling Party CPE To Make VTOA Call That Includes A Called Party Phone Number Value 806 Generate Input ATM Setup Message At Calling Party CPE That Includes VTOA Designator Stored In A First Parameter And Called Party Phone Number Value Stored In A Second Parameter Of Input ATM Setup Message 808 Receive Input ATM Setup Message At Ingress ATM Edge Switch 810 Intercept Input ATM Setup Message From Ingress ATM Edge Switch 812 Extract Information From The Input ATM Setup Message That Includes VTOA Designator And Called Party Phone Number 814 Analyze Information To Determine If VTOA Designator Is Present 816 Designate ATM Address of Called Party CPE To Be Stored in First Parameter Of Output ATM Setup Message 818 Determine If Private Address Translation Is Needed 820 Designate ATM Address Of Called Party CPE To Be Stored In Second Parameter Of The Output ATM Setup Message 822 Designate ATM Address Of Egress ATM Edge Switch To Be Stored In First Parameter Of Output ATM Setup Message 824 Generate Output ATM Setup Message That Includes: (i) ATM Address Of Egress ATM Edge Switch Stored In First Parameter; (ii) ATM Address Of Called CPE Stored In First Instance Of Second Parameter; (iii) Called Party Phone Number Stored In Second Instance Of Second Parameter

FIG. 8A

Docket No.: RIC00015 Appln No.: 09/768 077

Telelligent Network and Method for Providing Voice Telegraphy over ATM and Private Address Translation
Inventor(s): Gallant et al.

Sheets of Drawings: 8 of 10

8/10

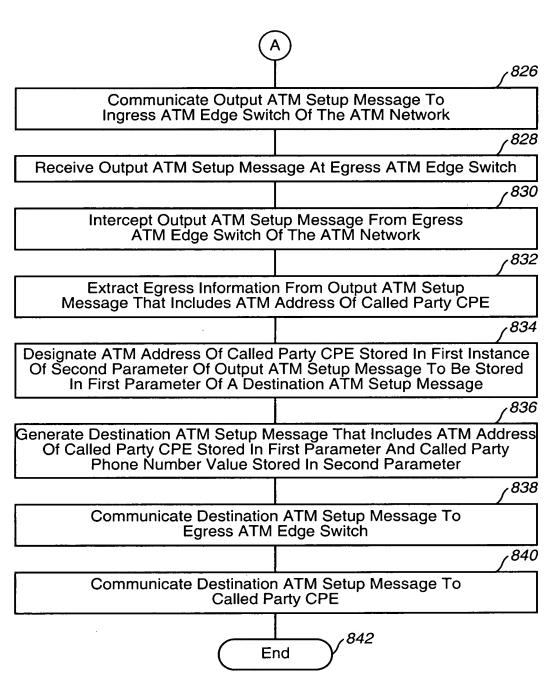


FIG. 8B

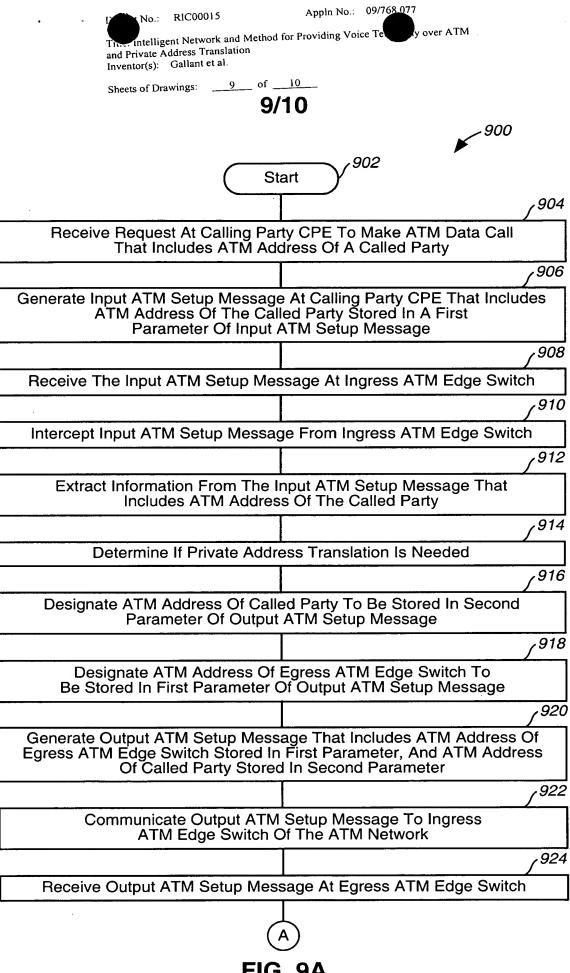


FIG. 9A

Doct No.: RIC00015 Appln No.: 09/768,077

Titl Alligent Network and Method for Providing Voice Telepower ATM and Private Address Translation
Inventor(s): Gallant et al.

Sheets of Drawings: ______ of _____ 10___ of _____ 10/10

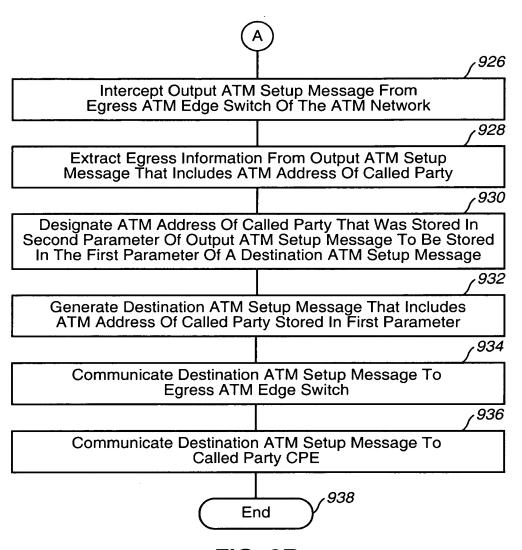


FIG. 9B